

"PATENT"

**AMENDMENT TRANSMITTAL FORM**

In re application of: Paul J. Berlowitz, et al. ) Before the Examiner  
U. S. Serial No.: 08/971,254 ) Margaret B. Meledy  
Filed: November 17, 1997 )  
For: Synthetic Diesel Fuel and Process For Its ) Group Art Unit 1721  
Production )

**THE COMMISSIONER OF PATENTS AND TRADEMARKS**  
**Washington, D.C. 20231**

REC'D U.S.P.T.O.

DEC 08 1999

TM: 1700

Sir:

The undersigned hereby certifies having information and a reasonable basis for belief that this correspondence will be hand-delivered to the Commissioner of Patents and Trademarks, Washington, D.C. 20231, on

Transmittal herewith is an Information Disclosure Statement/response in the above-identified application.

Petition for extension of time pursuant to 37 CFR 1.136 and 1.137 is hereby made, if and to the extent, required. The fee for this extension of time is calculated to be \$ 0 to extend the time for filing this response until

The fee for any changes in number of claims has been calculated as shown below.

CLAIMS AS AMENDED						
(1)	(2) Claims Remaining After Amendment	(3)	(4) Highest Number Previously Paid For	(5) Present Extra	(6) Rate	(7)
Total Claims	.	Minus	..		x 18.00	
Indep. Claims	.	Minus	***		x 78.00	
MULTIPLE DEPENDENT CLAIM FEE				\$280.00		
FEE FOR CLAIM CHANGES						<u>0</u>

- \* If the entry in Column 2 is less than the entry in Column 4, write "0" in Column 5.
- \*\* If the "Higher Number Previously Paid For" IN THIS SPACE is less than 20, write "20" in this space.
- \*\*\* If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, write "3" in this space.

The total fee for this INFORMATION DISCLOSURE STATEMENT, including claim changes and any extension of time is calculated to be \$ 0.

Charge \$ 0 to Deposit Account No. 05-1330.

The Commissioner is hereby authorized to charge any additional fees under 37 CFR 1.16 and 1.17 which may be required by this paper, or credit any overpayment, to Deposit Account No. 05-1330. A duplicate copy of this Form is enclosed.

Exxon Research and Engineering Company  
P. O. Box 390  
Florham Park, New Jersey 07932-0390

Pursuant to 37 CFR 1.34(a)

"PATENT"

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of )  
Paul J. Berlowitz, et al. ) Before the Examiner  
U. S. Serial No. 08/971,254 ) Margaret B. Meledy  
Filed: November 17, 1997 ) Group Art Unit 1721  
Synthetic Diesel Fuel and Process For Its )  
Production )

Honorable Commissioner of Patents and Trademarks  
Washington, DC 20231

DEC 08 1999

Sir:

The undersigned hereby certifies having information and a reasonable basis for belief that this correspondence will be hand-delivered to the Commissioner of Patents and Trademarks, Washington D.C. 20231 on

INFORMATION DISCLOSURE STATEMENT

Transmitted herewith is Form 1449. This Information Disclosure Statement is submitted in accordance with the requirements of 37 CFR 1.56 and 1.97 and is submitted prior to the mailing of the first Office Action on the merits. Therefore no fee is due.

Respectfully submitted,

Jonathan N. Provoost  
Attorney for Applicants  
Registration No. 44,292  
Telephone No. (973) 765-3779

Pursuant to 37 CFR 1.34(a)

Exxon Research and Engineering Company

11/10/2000

Suffolk  
3/9/00  
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<b>INFORMATION DISCLOSURE STATEMENT</b> (Use several sheets if necessary)								Attorney Docket No.	U S Serial No.	
								Applicant(s)		08/971,254
								Date Mailed	Group Art Unit	
November 17, 1997				DEC 08 1999 1721						

**U. S. PATENT DOCUMENTS**

Examiner Initial		Document Number							Date	Name	Class	Sub-Class	Filing Date
	AA	4	8	3	2	8	1	9	5/23/89	Hamner	208	27	
	AB	5	3	2	4	3	3	5	6/28/94	Benham	44	452	
	AC	2	5	6	2	9	8	0	8/7/51	Atwell	260	450	
	AD	2	2	4	3	7	6	0	5/27/41	Martin	44	9	
	AE	4	9	1	9	7	8	6	4/24/90	Hamner	208	27	
	AF	4	9	2	3	8	4	1	5/8/90	Hamner	502	230	
	AG	4	8	7	5	9	9	2	10/24/89	Hamner	208	89	
	AH	4	2	1	2	7	7	1	7/15/80	Hamner	252	455 Z	
	AI	4	0	7	3	7	1	8	2/14/78	Hamner	208	80	
	AJ	4	0	5	1	0	2	1	9/27/77	Hamner	208	216	
	AK	4	0	1	4	8	2	1	3/29/77	Hamner	252	470	
	AL	3	8	8	7	4	5	5	6/3/75	Hamner	208	112	
	AM	4	9	4	3	6	7	2	7/24/90	Hamner	585	737	

**FOREIGN PATENT DOCUMENTS**

		Document Number							Publica-tion Date	Country	Class	Sub-Class	Translation Yes No
	AN	92	/	1	4	8	0	4	03.09.92	WO (Century Oils)	C10L	1/08	
	AO	9	5	4	0	5	8		03.09.74	Canada (Shell)	196	54	
	AP	9	5	1	9	9	7		11.03.64	United Kingdom (BP)	C 07 c	C 10 g	
	AQ	1	3	8	1	0	0	4	22.01.75	United Kingdom (ER&E)	C10G	34.00	

**OTHER DISCLOSURES** (Include Author, Title, Date, Pertinent Pages, Place of Publication, etc.)

AR		Ward, "Compos. of F-T Diesel Fuel", Div. Pet. Chem. 117th Mtg. ACS (1950).
AS		Morgan et al, "Some Comparative Chemical, Physical and Compatibility Properties of Sasol Slurry Phase Distillate Diesel Fuel", SAE No. 982488 (1998), pp. 1-9.
AT		Agee, "A New Horizon For Synthetic Fuels", World Conference on Transportation Fuel Quality October 6-8, 1996

<b>INFORMATION DISCLOSURE STATEMENT</b> <small>(Use several sheets if necessary)</small>								Attorney Docket No	U S Serial No: 08/971,254						
								Applicant(s) Paul J Berlowitz, et al.							
								Date Mailed November 17, 1997	Group Art Unit <b>DEC 05 1999</b> 1701						

**U. S. PATENT DOCUMENTS**

Examiner Initial		Document Number						Date	Name	Class	Sub-Class	Filing Date	
	AA	4	9	0	0	7	0	7	2/13/90	Cody et al	502	230	12/13/88
	AB	4	9	0	6	5	9	9	3/6/90	Cody et al	502	62	
	AC	5	1	5	8	6	7	1	10/27/92	Cody et al	208	264	
	AD	4	9	5	9	3	3	7	9/25/90	Cody et al	502	230	
	AE	4	9	3	7	3	9	9	6/26/90	Wachter et al	585	749	
	AF	4	9	2	9	7	9	5	5/29/90	Cody et al	585	739	
	AG	4	7	5	5	2	8	0	7/5/88	Hudson et al	208	89	
	AH	4	6	1	8	4	1	2	10/21/86	Hudson et al	208	59	
	AI	5	1	8	7	1	3	8	2/16/93	Davis	502	255	
	AJ	5	2	9	2	9	8	9	3/8/94	Davis	585	751	
	AK	5	3	7	8	3	4	8	1/3/95	Davis et al	208	27	
	AL	5	6	8	9	0	3	1	11/18/97	Berlowitz et al	585	734	10/17/95
	AM	4	6	4	5	5	8	5	2/24/87	White	208	58	
	AN	5	3	6	2	3	7	8	11/8/94	Borghard et al	208	138	

**FOREIGN PATENT DOCUMENTS**

		Document Number						Publica-tion Date	Country	Class	Sub-Class	Translation Yes No	
	AO	1	4	6	0	4	7	6	06.01.77	United Kingdom (CJJK)	B26F	1/02	
	AP	1	4	9	9	5	7	0	01.02.78	United Kingdom (Atl. R.)	C10G	34 00	
	AQ	0	1	5	3	7	8	2	04.09.85	European (Shell)	B 01 J	37 26	
	AR	2	7	5	0	6	2		09.07.64	Australia (BP)	C10g	B01j	

**OTHER DISCLOSURES** (Include Author, Title, Date, Pertinent Pages, Place of Publication, etc.)

AS	The Clean Fuels Report, "Volvo Demonstrates Benefits of Reformulated Diesel" "Research and Technology", pp. 166-170, September 1995
AT	The Clean Fuels Report, "Cetane Number is Major Control for Diesel Emissions with Catalyst", pp. 170-173, September 1995

<b>INFORMATION DISCLOSURE STATEMENT</b> (Use several sheets if necessary)								Attorney Docket No.		U S Serial No.			
								Applicant(s)		08/971,254			
								Paul J. Berlowitz, et al.		DEC 08 1999			
								Date Mailed	Group Art Unit				
								November 17, 1997	1721				
<b>U. S. PATENT DOCUMENTS</b>													
Examiner Initial		Document Number							Date	Name	Class	Sub-Class	Filing Date
	AA	4	8	5	1	1	0	9	7/25/89	Chen et al	208	58	
	AB	2	9	1	4	4	6	4	11/24/59	Burton et al	208	138	
	AC	2	7	5	6	1	8	3	7/24/56	Knox Jr.	196	35	
	AD	2	7	7	9	7	1	3	1/29/57	Cole et al	196	35	
	AE	2	6	6	8	7	9	0	2/9/54	Good et al	196	50	
	AF	2	8	1	7	6	9	3	12/24/57	Koome et al	260	683.5	
	AG	2	8	3	8	4	4	4	6/10/58	Teter et al	196	50	
	AH	3	0	7	8	3	2	3	2/19/63	Kline et al	260	683.65	
	AI	3	1	2	3	5	7	3	3/3/64	Carr	252	442	
	AJ	3	1	2	5	5	1	1	3/17/64	Tupman et al	208	264	
	AK	3	2	0	6	5	2	5	9/14/65	Michaels et al	260	683.66	
	AL	3	2	6	8	4	3	9	8/23/66	Tupman et al	208	112	
	AM	3	1	2	1	6	9	6	2/18/64	Hoekstra	252	441	
	AN	3	0	5	2	6	2	2	9/4/62	Johnson et al	208	27	
<b>FOREIGN PATENT DOCUMENTS</b>													
		Document Number							Publica-tion Date	Country	Class	Sub-Class	Translation Yes No
	AO	5	3	9	6	9	8		16 04 57	Canada			
	AP	7	0	0	2	3	7		22 12 64	Canada (Miller)			
	AQ	8	2	3	0	1	0		04 11 59	United Kingdom (UOP)	C07c		
	AR	8	4	8	1	9	8		14 09 60	United Kingdom (UOP)	C07c		
<b>OTHER DISCLOSURES</b> (Include Author, Title, Date, Pertinent Pages, Place of Publication, etc.)													
	AS	M'Hamdi et al. "Packed Column SFC of Gas Oils", J. High Resol. Chromatogr., Vol. 21, pp. 94-102 (February 1998).											
	AT	Fraile et al. "Experimental Design Optimization of the Separation of the Aromatic Compounds in Petroleum Cuts by Supercritical Fluid Chromatography" Journal of High Resolution Chromatography											

<b>INFORMATION DISCLOSURE STATEMENT</b>  (Use several sheets if necessary)								Attorney Docket No	U S Serial No 08/971,254			
								Applicant(s)		Paul J Berlowitz, et al.		
								Date Mailed	D 20 0 8 1999 November 17, 1997			Group Art Unit 1721

**U. S. PATENT DOCUMENTS**

Examiner Initial		Document Number							Date	Name	Class	Sub-Class	Filing Date
	AA	3	2	5	3	0	5	5	5/24/66	Goble et al	260	683 75	
	AB	2	9	9	3	9	3	8	7/25/61	Bloch et al	260	666	
	AC	2	6	6	8	8	6	6	2/9/54	Good et al	260	683.5	
	AD	3	3	0	8	0	5	2	3/7/67	Ireland et al	208	27	
	AE	4	8	5	5	5	3	0	8/8/89	LaPierre et al	585	739	
	AF	4	9	1	9	7	8	8	4/24/90	Chen et al	208	59	
	AG	4	9	6	2	2	6	9	10/9/90	LaPierre et al	585	739	
	AH	4	9	8	2	0	3	1	1/1/91	Chen	208	324	
	AI	4	9	9	0	7	1	3	2/5/91	Le et al	585	332	
	AJ	5	0	3	7	5	2	8	8/6/91	Garwood et al	208	27	
	AK	5	1	1	0	4	4	5	5/5/92	Chen et al	208	505	
	AL	5	1	5	7	1	8	7	10/20/92	Le et al	585	208	
	AM	5	2	8	2	9	5	8	2/1/94	Santilli et al	208	585	

**FOREIGN PATENT DOCUMENTS**

		Document Number							Publica-tion Date	Country	Class	Sub-Class	Translation Yes No
	AN	9	5	3	1	8	8		25.03.64	United Kingdom	C 07c		
	AO	9	5	3	1	8	9		25.03.64	United Kingdom	C 07c		
	AP	1	0	6	5	2	0	5	12.04.67	United Kingdom	C 07 c	5.24	
	AQ	1	3	4	2	4	9	9	03.01.74	United Kingdom	C10G	23.02	

**OTHER DISCLOSURES** (Include Author, Title, Date, Pertinent Pages, Place of Publication, etc.)

AR	Di Sanzo et al, "Determination of Aromatics in Jet and Diesel Fuels by Supercritical Fluid Chromatography with Flame Ionization Detection (SFC-FID): A Quantitative Study", Journal of Chromatographic Science, Vol. 29, January 1991.
AS	Lee et al, "Development of a Supercritical Fluid Chromatographic Method for Determination of Aromatics in Heating Oils and Diesel Fuels", Energy & Fuels, 3, pp. 80-84 (1989), American Chemical Society.

INFORMATION DISCLOSURE STATEMENT  (Use several sheets if necessary)									Attorney Docket No		U. S Serial No 08/971 254			
									Applicant(s) Paul J Berlowitz, et al					
Date Mailed November 17, 1997									Group Art Unit 1721		DEC 1 1999			
U. S. PATENT DOCUMENTS														
Examiner Initial		Document Number							Date	Name		Class	Sub-Class	Filing Date
	AA	5	3	0	2	2	7	9	4/12/94	Degnan et al		208	87	
	AB	5	3	0	6	8	6	0	4/26/94	Bigeard et al		585	737	5/21/92
	AC	5	3	7	8	3	5	1	1/3/95	Guichard et al		208	143	
	AD	4	8	5	5	5	3	0	8/8/89	LaPierre et al		585	739	
	AE	3	7	0	9	8	1	7	6/9/73	Suggitt et al(1)		208	112	
	AF	3	3	4	0	1	8	0	9/5/67	Beuther et al		208	108	
	AG	3	3	3	8	8	4	3	8/29/67	Goble et al		252	442	
	AH	4	6	2	7	9	0	8	12/9/86	Miller		208	58	
	AI	3	8	3	0	7	2	3	8/20/74	Ladeur et al		208	108	
	AJ	3	8	3	0	7	2	8	8/20/74	Mounce		208	59	
FOREIGN PATENT DOCUMENTS														
		Document Number							Publica- tion Date	Country		Class	Sub- Class	Translation Yes No
	AK	1	3	4	2	5	0	0	03.01.74	United Kingdom (Shell)		B01J	11/46	
	AL	1	4	4	0	2	3	0	23.06.76	United Kingdom (Shell)		C10G	34/00	
	AM	1	4	9	3	9	2	8	30.11.77	United Kingdom (Shell)		C10G	23/16	
	AN	4	9	0	3	5	3	23		Japan (Nippon Gosei)				
	AO	2	1	3	7	4	9	0	14.04.72	France (Suggitt)				X(1)
	AP	97		2	1	7	8	7	19.06.97	WO				
	AQ	2	3	0	2	5	6	1	15.10.91	Japan (Showa Shell)				

(1) U.S. equivalent 3,709,817 (Suggitt) enclosed to France 2137490

<b>OTHER DISCLOSURES</b> (Include Author, Title, Date, Pertinent Pages, Place of Publication, etc.)		
AP		T. L. Ullman, "Effects of Cetane Number on Emissions From a Prototype 1998 Heavy-Duty Diesel Engine", SAE Paper 950251.
AS		J. S. Freely, "Abatement of NO <sub>x</sub> from Diesel Engines - Status & Technical Challenges", SAE Paper

<b>INFORMATION DISCLOSURE STATEMENT</b>  (Use several sheets if necessary)								Attorney Docket No		U S Serial No 08/971,254			
								Applicant(s)		Paul J. Berlowitz, et al.			
								Date Mailed		Group Art Unit November 17, 1997 1721 DEO C 100-100			
<b>U. S. PATENT DOCUMENTS</b>													
'Examiner Initial		Document Number						Date	Name	Class	Sub-Class	Filing Date	
	AA	3	9	7	9	2	7	9	9/7/76	Yan	208	264	
	AB	3	8	4	3	7	4	6	10/22/74	Kravitz et al	260	683.68	
	AC	3	6	2	0	9	6	0	11/16/71	Kozlowski et al	208	60	
	AD	3	6	1	9	4	0	8	11/9/71	Larson	208	80	
	AE	3	8	7	0	6	2	2	3/11/75	Ashton et al	208	93	
	AF	4	4	7	2	5	2	9	9/18/84	Johnson et al	502	228	
	AG	4	5	7	9	9	8	6	4/1/86	Sie	585	324	
	AH	4	6	8	4	7	5	6	8/4/87	Derr Jr. et al	585	330	
	AI	4	0	3	2	4	7	4	6/28/77	Goudriaan et al	252	441	
	AJ	4	6	0	8	1	5	1	8/26/86	Miller	208	33	
	AK	3	8	6	4	4	2	5	2/4/75	Gardner	260	683.68	
	AL	3	7	9	4	5	8	0	2/26/74	Ladeur	208	110	
	AM	4	4	5	1	5	7	2	5/29/84	Cody	502	62	
<b>FOREIGN PATENT DOCUMENTS</b>													
		Document Number						Publica-tion Date	Country	Class	Sub-Class	Translation Yes      No	
	AN	0	5	3	2	1	1	7 A1	17.03.93	European (Gilson)			
	AO	0	5	3	2	1	1	8	17.03.93	European			X
	AP	0	5	1	5	2	5	6 A1		European			X(1)
	AQ	0	5	1	5	2	7	0 A1		European (Bigeard)			X(2)

(1) English language equivalent is U.S. Patent 5,306,860 (Bigeard) enclosed.

(2) English language equivalent is U.S. Patent 5,345,019 (Bigeard) enclosed.

<b>OTHER DISCLOSURES</b> (Include Author, Title, Date, Pertinent Pages, Place of Publication, etc.)	
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AR	Anderson, "Det. of Ox and Oletin Compd Types by IR", Analyt. Chem., Vol. 20, No. 11 (Nov '946), pp. 998-1006
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								Applicant(s) Paul J. Berlowitz, et al.					
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<b>U. S. PATENT DOCUMENTS</b>													
Examiner Initial		Document Number							Date	Name	Class	Sub-Class	Filing Date
	AA	4	1	8	6	0	7	8	1/29/80	Itoh et al	208	27	
	AB	4	4	4	4	8	9	5	4/24/84	Fung et al	502	37	
	AC	4	4	2	7	5	3	4	1/24/84	Brunn et al	208	89	
	AD	3	8	6	1	0	0	5	1/21/75	Steinmetz et al	208	111	
	AE	3	8	1	4	6	8	2	6/4/74	Christman et al	208	216	
	AF	3	7	1	1	3	9	9	1/16/73	Estes et al	208	112	
	AG	4	4	2	8	8	1	9	1/31/84	Shu et al	208	46	
	AH	3	7	1	7	5	8	6	2/20/73	Suggitt et al	252	439	
	AI	3	9	1	5	8	4	3	10/28/75	Franck et al	208	112	
	AJ	3	6	9	2	6	9	5	9/19/72	Suggitt et al	252	439	
	AK	3	6	7	4	6	8	1	7/4/72	Lyon	208	141	
	AL	3	4	7	1	3	9	9	10/7/69	O'Hara	208	216	
	AM	3	6	9	2	6	9	7	9/19/72	Kravitz et al	252	439	
<b>FOREIGN PATENT DOCUMENTS</b>													
		Document Number							Publica-tion Date	Country	Class	Sub-Class	Translation Yes      No
	AN	0	3	2	3	0	9	2	16.12.88	European (ER&E)			
	AO	0	5	4	2	5	2	8 A1	19.05.93	European (ER&E)			
	AP	3	0	3	0	9	9	8	01.04.82	DE			X
	AO	96	2	3	8	5	5	5	08.08.96	WO (Dillworth)	COL	14	

**OTHER DISCLOSURES** (Include Author, Title, Date, Pertinent Pages, Place of Publication, etc.)

AR	DuBois, "Det. of Bromine Addition Numbers", <i>Analyt. Chem.</i> , Vol. 20, No. 7, pp. 624-627 (1948).
AS	Friedel, "Compos. of Synth. Liquid Fuels. I.", <i>JACS</i> 72, pp. 1212-1215 (1950).

Johnston, "Det. of Olefins in Gasoline", Analyt. Chem. 805-812 (1947).

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								Date Mailed				November 17, 1997				Group Art Unit	1721	Dec 01 1999

**U. S. PATENT DOCUMENTS**

Examiner Initial		Document Number							Date	Name	Class	Sub-Class	Filing Date
	AA	3	6	8	4	6	9	5	8/15/72	Neel et al	208	110	
	AB	4	2	6	3	1	2	7	4/21/81	Rausch et al	208	58	
	AC	3	9	7	7	9	6	1	8/31/76	Hamner	208	59	
	AD	3	9	7	7	9	6	2	8/31/76	Arey Jr. et al	208	59	
	AE	3	6	2	9	0	9	6	12/21/71	Divijak Jr.	208	89	
	AF	3	5	9	4	3	0	7	7/20/71	Kirk Jr.	208	57	
	AG	4	5	9	4	1	7	2	6/10/86	Sie	252	55	
	AH	4	1	6	2	9	6	2	7/31/79	Stangeland	208	58	
	AI	3	8	4	0	5	0	8	10/8/74	Ballard et al	260	88.2 R	
	AJ	3	8	4	0	6	1	4	10/8/74	Kravitz et al	260	683.68	
	AK	4	1	3	9	4	9	4	2/13/79	Itoh et al	252	455 R	
	AL	3	6	8	1	2	3	2	8/1/72	Egan	208	80	
	AM	3	6	5	8	6	8	9	4/25/72	Steinmetz et al	208	46	

**FOREIGN PATENT DOCUMENTS**

		Document Number							Publica-tion Date	Country	Class	Sub-Class	Translation Yes No
	AN	97	/	1	4	7	6	8	24.04.97	WO (Berlowitz)	C10L	1/02	
	AO	97	/	1	4	7	6	9	24.04.97	WO (Berlowitz)	C10L	1/08	
	AP	95		0	6	6	9	5	09.03.95	WO (Sofitech)			
	AQ	0	5	3	2	1	1	7	17.03.93	EP			

**OTHER DISCLOSURES** (Include Author, Title, Date, Pertinent Pages, Place of Publication, etc.)

AR	Puckett, "Ignition Qualities of HC in the Diesel Fuel Boiling Range" in Information Circular Bureau of Mines 7474 (July 1948).
AS	Smith, "Rapid Det. of Hydroxyl...", p. 61 (Jan. 1935)

AT Tilton, "Prod. of High Cetane Number Diesel Fuels by Hydrogenation", Ind & Eng Chemistry, Vol 40, pp. 1270-1279 (July 1948)

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																08/971,254
								Applicant(s)								Paul J Berlowitz, et al
Filing Date November 17, 1997								Group Art Unit 1721								

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	AA	4	3	4	2	6	4	1	8/3/82	Reif et al	208	89	
	AB	3	8	7	6	5	2	2	4/8/75	Campbell et al	208	58	
	AC	4	4	7	7	5	8	6	10/16/84	McDaniel	502	104	
	AD	4	3	9	4	2	5	1	7/19/83	Miller	208	111	
	AE	3	3	6	5	3	9	0	1/23/68	Egan et al	208	60	
	AF	3	5	3	0	0	6	1	9/22/70	Orkin et al	208	60	
	AG	3	4	8	6	9	9	3	12/30/69	Egan et al	208	89	
	AH	3	4	8	7	0	0	5	12/30/69	Egan et al	208	59	
	AI	3	9	6	3	6	0	1	6/15/76	Hilfman	208	111	
	AJ	3	6	0	7	7	2	9	9/21/71	Robinson et al	208	112	
	AK	3	8	5	2	1	8	6	12/3/74	Christman et al	208	89	
	AL	3	8	5	2	2	0	7	12/3/74	Stangeland et al	208	58	
	AM	3	4	0	4	0	8	6	10/1/68	Plank et al	208	120	

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	AN	0	5	6	6	3	4	8A	20.10.93	EP (ER&E)			
	AO	07	5	3	5	6	3	A1	15.01.97 (1)	EP (ER&E)			
	AP	2	6	5	0	2	8	9		France (Lascaray)			X
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	AA	4	6	7	3	4	8	7	6/16/87	Miller	208	58	
	AB	4	0	6	7	7	9	7	1/10/78	Chen	208	15	
	AC	4	5	8	8	7	0	1	5/13/86	Chiang	502	65	
	AD	3	6	3	0	8	8	5	12/28/71	Egan	208	59	
	AE	3	9	7	6	5	6	0	8/24/76	Erickson	208	138	
	AF	3	7	2	5	3	0	2	4/3/73	Shimely	252	431 R	
	AG	3	7	7	0	6	1	8	11/6/73	Adams	208	216	
	AH	4	4	2	7	7	9	1	1/24/84	Miale	502	203	
	AI	4	6	9	5	3	6	5	9/22/87	Ackelson	208	89	
	AJ	4	3	9	0	4	1	4	6/28/83	Cody	208	111	

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	AK	2	2	5	1	1	5	6		DE			X(1)	
	AL	06	6	8	3	4	2	A1	23.08.95	EP (Shell/Gilson)				
	AM	95	/	2	7	0	2	1	12.10.95	WO (Gunnerman)				
	AN	0	5	8	7	2	4	5 A1	16.03.94	EP (Shell)				

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AP	Shah et al. USDOE USDOC NTIS, UOP, Inc., "Fischer-Tropsch Wax Characterization and Upgrading - Final Report, DE 88-014638, June 1988 ("UOP Report")
AQ	Signer, The Clean Fuels Report, "Southwest Research Institute Study Delineates The Effect of Diesel Fuel Composition on Emissions", pp. 153-158 (June 1995)

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	AB	5	1	5	6	1	1	4	10/20/92	Gunnerman			
	AC	3	8	4	3	5	0	9	10/22/74	Suto et al	208	111	
	AD	3	3	9	5	9	8	1	8/6/68	Kischio			
	AE	4	0	8	7	3	4	9	5/2/78	Baird Jr.			
	AF	5	5	4	3	4	3	7	8/6/96	Benham et al	518	700	6/6/95
	AG	5	5	0	6	2	7	2	4/9/96	Benham et al	518	700	6/6/95
	AH	5	5	0	4	1	1	8	4/2/96	Benham et al	518	719	3/14/94
	AI	5	5	0	0	4	4	9	3/19/96	Benham et al	518	700	6/6/95
	AJ	5	3	0	8	3	6	5	5/3/94	Kesling	44	447	
	AK	3	2	6	8	4	3	6	8/23/66	Arey Jr. et al	208	59	

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		Document Number							Publica-tion Date	Country	Class	Sub-Class	Translation Yes No
	AL	0	5	8	7	2	4	6	16.03.94	EP (Shell)			
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	AN	95	/	0	2	6	9	5	1/26/95	WO (Novo Nordisk)			
	AO	7	3	2	9	6	4		11.03.32	France (Deutsche H&W)			X

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									Date Mailed		Group Art Unit			
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	AA	4	1	2	5	5	6	6	11/14/78	Dinh	260	676		
	AB	5	0	5	9	2	9	9	10/22/91	Cody	585	737		
	AC	4	8	0	4	8	0	2	2/14/89	Evans	587	734		
	AD	4	9	9	2	1	5	9	2/12/91	Cody	585	734		
	AE	5	0	5	9	7	4	1	10/22/91	Foley	585	734		
	AF	4	5	6	8	6	6	3	2/4/86	Mauldin	502	325		
	AG	4	9	9	2	4	0	6	2/12/91	Mauldin	502	325		
	AH	3	8	4	3	5	0	9	10/22/74	Suto	208	111		
	AI	4	0	4	1	0	9	5	8/9/77	Kuo	260	676		
	AJ	4	9	6	0	5	0	4	10/2/90	Pellet	208	411	2/22/88	
	AK	5	3	8	5	5	8	8	1/31/95	Brennan	44	331	10/21/93	
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		Document Number							Publica-tion Date	Country	Class	Sub-Class	Translation Yes	No
	AL	8	5	9	6	8	6		30.08.39	France (Synthetic Oils)			X	
	AM	7	3	1	0	0	9	6	94.05.19	Japan (Nippon Petrochemicals)	B08B	1/00	(1)	
	AN	6	2	0	0	2	6	2	91.07.29	Japan (Idemitsu Kosan)	C10G	45/50	(2)	
	AO	92	/	0	1	7	6	9	06.02.92	WO (Miller)	C10G	73/38		

### (1) English language abstract

## (2) English language abstract

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	AQ	

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								Applicant(s)								Paul J. Berlowitz, et al.	
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	AB	5	0	5	9	7	4	1	10/22/91	Foley	585	734	1/29/91
	AC	5	5	4	5	6	7	4	8/13/96	Behrmann et al	518	715	1/24/95
	AD	5	3	4	8	9	8	2	9/20/94	Herbolzheimer et al	518	700	5/20/93
	AE	4	3	7	8	9	7	3	4/5/83	Sweeney	44	56	1/7/82
	AF	4	5	3	9	0	1	4	9/3/85	Sweeney	44	56	9/2/80
	AG	5	5	3	8	5	2	2	7/23/96	Ahmed	44	412	6/27/94
	AH	4	5	1	8	3	9	5	5/21/85	Petronella	44	53	9/21/82
	AI	4	5	2	7	9	9	5	7/9/85	Itow et al	44	56	5/14/84
	AJ	3	6	6	8	1	1	2	6/6/72	Parker			
	AK	3	6	6	8	1	1	3	6/6/72	Burbridge			
	AL	5	5	2	2	9	8	3	6/4/96	Cash et al	208	59	2/6/92
	AM	4	5	9	9	1	6	2	7/8/86	Yen	208	59	12/21/84
	AN	5	1	8	3	5	5	6	2/2/93	Reilly et al	208	57	3/13/91
	AO	3	1	4	7	2	1	0	9/1/64	Hass et al	208	210	3/19/62

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	AP	1	3	0	6	6	4	6	14 02 73	Great Britain (Radulescu)	C10G	21 16	
	AQ	0	5	6	6	3	48	A2	20 10 93	European (ER&E)	B01J	29 02	
	AR	0	7	5	3	5	63	A1	15 01 97	European (ER&E)	C10G	45 66	

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								Applicant(s) Paul J. Berlowitz, et al								DEC 05 1999		
								Date Mailed November 17, 1997								Group Art Unit 1721		

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	AB	3	7	6	7	5	6	2	10/23/73	Sze et al	208	57	9/2/71
	AC	4	5	2	9	5	2	6	7/16/85	Inoue et al	252	32.7 E	11/14/83
	AD	5	2	8	1	3	4	7	1/25/94	Igarashi et al	252	42.7	8/27/92
	AE	5	3	4	5	0	1	9	9/6/94	Bigeard et al	585	264	5/21/92
	AF	3	6	6	8	1	1	2	6/6/72	Parker et al	208	89	12/6/68
	AG	3	6	6	8	1	1	3	6/6/72	Burbridge et al	208	97	9/22/69
	AH	3	8	4	3	5	0	9	10/22/74	Suto et al	208	111	
	AI	3	7	6	1	3	8	8	9/25/73	Bryson et al	208	59	10/20/71
	AJ	4	0	3	2	3	0	4	6/28/77	Dorer Jr. et al	44	70	9/3/74
	AK	5	3	7	8	2	4	9	1/3/95	Morrison	44	388	6/28/93
	AL	4	7	6	4	2	6	6	8/16/88	Chen et al	208	58	2/26/87
	AM	4	9	1	1	8	2	1	3/27/90	Katzer et al	208	27	2/8/89
	AN	4	9	1	9	7	8	8	4/24/90	Chen et al	208	59	10/21/88
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	AQ	0	2	8	1	9	92	A3	14 09 88	European (Idemitsu Kosan)	C10M	101.02	
	AR	0	1	3	0	45		A1	11 07 84	European (Honda)	C10M	148	
	AS	0	4	1	8	8	60	A1	27 03 91	European (Nippon Oil)	C10M	169.04	

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	AB	3	8	4	8	0	1	8	11/12/74	Robson	260	683.65	
	AC	2	8	8	8	5	0	1	5/26/59	Folkins et al	260	683.65	12/31/56
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	AG	2	9	0	6	6	8	8	9/29/59	Farmer et al	208	33	3/28/56
	AH	3	6	6	0	0	5	8	5/2/72	Feldman et al	44	80	3/17/69
	AI	5	4	7	9	7	7	5	1/2/96	Kraemer et al	60	274	4/25/94
	AJ	5	5	2	2	9	8	3	6/4/96	Cash			2/6/92
	AK	5	1	8	3	5	5	6	2/2/93	Reilly			
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	AQ	0	2	2	7	2	18	A1	01 07 87	EP (ER&E)	C10L	118	
	AR	0	4	4	1	0	14	B1	07 04 93	EP (Ethyl)	C10L	122	
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	AP	95	/	0	3	3	7	7	02.02.95	WO (Exxon Chem)	C10L	1/14	
	AQ	0	3	7	4	4	61	B1	13.05.92	EP (BASF)	C10L	1/14	X(1)
	AR	0	3	2	1	3	01	A3	21.06.89	EP (ER&E/Hamner)	B01J	23.40	
	AS	96		2	6	3	9	6	06.09.96	WO (BP Chem)	C10M	133.08	
	AT	H3		2	3	1	9	90	15.10.91	Japan (Showa Shell)			X
	AU	2	1	3	7	4	9	0	14.04.72	France (Texaco)			X

(1) English language equivalent is USP 5,004,478 (Vogel) enclosed

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	AO	2	6	5	0	2	8	9	2/1991	France	C10L	118 X
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	AQ											

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	AS	SwRI Gear Oil Scuff Test (GOST) Flyer, "Gear Oil Scuff Test (GOST)", 2/97

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	AN								
	AO								
	AP								
	AQ								
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	AR	Lacey, Paul L., "Wear Mechanism Evaluation and Measurement in Fuel-Lubricated Components". U.S. Department of Commerce # ADA284870, September 1994							
	AS								

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			Applicant(s) Paul J. Berlowitz, et al.	
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